

The Examiner has alleged that there are five separate and distinct inventions as follows:

- I. Claims 1-5, 6-7 and 8-14 (in part), drawn to a molecule, polypeptide and a vaccine classified in class 435, 424 subclass 69.7, 184.1 respectively.
- II. Claims 15-21 (in part), drawn to an antibody classified in class 530, subclass 387.1.
- III. Claims 22-23 (in part), drawn to a method of identifying a transferring binding determinant vivo antibody response using composition or fusion protein or a cocktail comprising *S. pyogenes* serum opacity factor polypeptides classified in class 435, subclass 7.1.
- IV. Claims 24, 26, and 27 (in part), drawn to a method of treating using a molecule classified in class 424, subclass 185.
- V. Claims 25, 26, and 27 (in part), drawn to a method of treating using antibodies, classified in class 424, subclass 130.1.

Furthermore, The Examiner has requested that applicant elect a single sequence selected from the group consisting of 1-14, 17, 20, 25, 28, 30, 34, 36, 39, and 48-86.

Election

Applicant elects Group I, Claims 1-5, 6-7 and 8-14 (in part), drawn to a molecule, polypeptide and a vaccine classified in class 435, 424 subclass 69.7, 184.1 respectively. Applicant further elects SEQ.ID.NO 17. Both elections are made with traverse. Applicant respectfully submits that searching additional sequences do not place an undue burden on the The Examiner. As recognized by the USPTO, The Examiner may search up to 10 sequences directed to a polypeptide or polynucleotide.

Applicant reserves the right to rejoin any non-elected invention pursuant to MPEP 821.04 No fee is believed to be due with respect to the filing of this paper, however, should any required fee be due the Commissioner is authorized to charge Deposit Account No. 02-4800, or credit any overpayment.

Respectfully submitted,

BUCHANAN INGERSOLL, PC.

Date: April 07, 2006

By: 

Joseph Baker, Jr.

Registration No. 40,900

BUCHANAN INGERSOLL, PC
P.O. Box 1404
Alexandria, VA 22313
(858) 509-7300